

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

SUB MARINE EXPLORER

HAER CZ-5

Located along the beach of Isla San Telmo, Pearl Islands

Isla San Telmo

Former Panama Canal Zone

Canal Zone (Panama)

Photos were taken at low tide because during high tide, the submarine is submerged.

INDEX TO BLACK AND WHITE PHOTOGRAPHS

Todd A Croteau, photographer, 2006

CZ-5-1	3/4 view of starboard side from bow to stern.
CZ-5-2	Starboard side elevation.
CZ-5-3	3/4 view of starboard side from stern to bow.
CZ-5-4	Stern elevation. Note plates removed from lower hull on port side.
CZ-5-5	3/4 view of port side from stern to bow. Note heavy deterioration on sea side.
CZ-5-6	Detail of port side showing deterioration and lower hull plates missing.
CZ-5-7	Detail of stern from starboard side showing through hull fittings for steering rods.
CZ-5-8	Detail of conning tower atop the submarine. Note the wire rope wrapped around the base of the tower, which may have been used in an attempt to pull the submarine offshore.
CZ-5-9	Detail of interior of compressed air chamber showing top of working chamber and tie rods that strengthen the outer shell plates of the compression chamber.

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HAER CZ-5
INDEX TO PHOTOGRAPHS

- CZ-5-10 Interior view of working chamber looking forward towards conning tower. Note valve fittings in conning tower area.
- CZ-5-11 Exterior view of submarine with survey crew posed in front. From left to right: Todd Croteau - U.S. National Park Service, Joshua Price - U.S. Navy, Bert Ho - National Oceanic and Atmospheric Administration, Michael McCarthy - Western Australia Maritime Museum, Larry Murphy - U.S. National Park Service, Don Johnson- University of Nebraska Engineering School, James Delgado- Institute for Nautical Archeology, Jacinto Ahmendra - Government of Panama.